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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/876,790

DATE: 09/10/2002

TIME: 14:47:16

Input Set : A:\2008-US seq.txt

Output Set: N:\CRF4\09102002\I876790.raw

3 <110> APPLICANT: SIMS, John E.

4 SMITH, Dirk E.

5 BORN, Teresa L.

7 <120> TITLE OF INVENTION: IL-1 ZETA, IL-1 ZETA SPLICE VARIANTS AND XREC2 DNAS AND POLYPEPTIDES

9 <130> FILE REFERENCE: 2008-US

C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/876,790

C--> 12 <141> CURRENT FILING DATE: 2002-09-04

14 <150> PRIOR APPLICATION NUMBER: 60/112,163

15 <151> PRIOR FILING DATE: 1998-12-14

17 <150> PRIOR APPLICATION NUMBER: 60/146,675

18 <151> PRIOR FILING DATE: 1999-11-10

20 <150> PRIOR APPLICATION NUMBER: PCT/US99/29549

21 <151> PRIOR FILING DATE: 1999-12-14

23 <160> NUMBER OF SEQ ID NOS: 15

25 <170> SOFTWARE: PatentIn version 3.1

27 <210> SEQ ID NO: 1

28 <211> LENGTH: 579

29 <212> TYPE: DNA

30 <213> ORGANISM: Homo sapiens

32 <400> SEQUENCE: 1

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35 ttaagaggtc caaagggtgaa gaacttaaac ccgaagaaat tcagcattca tgaccaggat      120
37 cacaaagtac tggctcctgga ctctgggaat ctcatagcag ttccagataa aaactacata      180
39 cgcccagaga tcttctttgc attagcctca tccttgagct cagcctctgc ggagaaagga      240
41 agtccgattc tcctgggggt ctctaaaggg gagttttgtc tctactgtga caaggataaa      300
43 ggacaaagtc atccatccct tcagctgaag aaggagaaac tgatgaagct ggctgcccaa      360
45 aaggaaatcag cagcccggcc cttcatcttt tatagggtc aggtgggtc ctggaacatg      420
47 ctggagtcgg cggctcacc cggatggttc atctgcacct cctgcaattg taatgagcct      480
49 gttgggggtga cagataaatt tgagaacagg aaacacattg aattttcatt tcaaccagtt      540
51 tgcaaagctg aatgagccc cagtgaagtc agcgattag                               579

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54 <210> SEQ ID NO: 2

55 <211> LENGTH: 2091

56 <212> TYPE: DNA

57 <213> ORGANISM: Homo sapiens

59 <400> SEQUENCE: 2

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64 tatcaagttt tgggtgggaga gcctgttcga atcaaatgtg cactctttta tggttatata      180
66 agaacaaatt actcccttgc ccaaagtgtt ggactcagtt tgatgtggta caaaagttct      240
68 ggtcctggag actttgaaga gccaatagcc tttgacggaa gtagaatgag caaagaagaa      300
70 gactccattt ggttcgggcc aacattgcta caggacagtg gtctctacgc ctgtgtcatc      360
72 agaaactcca cttactgtat gaaagtatcc atctcactga cagtgggtga aatgacact      420
74 ggactctgct ataattccaa gatgaagtat tttgaaaaag ctgaacttag caaaagcaag      480

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76 gaaatttcat gccgtgacat agaggatttt ctactgccaa ccagagaacc tgaaatcctt 540
78 tgggtacaagg aatgcaggac aaaaacatgg aggccaagta ttgtattcaa aagagatact 600
80 ctgcttataa gagaagtcag agaagatgac attggaaatt atacctgtga attaaaatat 660
82 ggaggctttg ttgtgagaag aactactgaa ttaactgtta cagccccctct gactgataag 720
84 ccaccaagc ttttgtatcc tatggaaagt aaactgacaa ttcaggagac ccagctgggt 780
86 gactctgcta atctaacctg cagagctttc tttgggtaca gcggagatgt cagtccttta 840
88 atttactgga tgaaaggaga aaaattttatt gaagatctgg atgaaaatcg agtttgggaa 900
90 agtgacatta gaattcttaa ggagcatctt ggggaacagg aagtttccat ctcattaatt 960
92 gtggactctg tggaagaagg tgacttggga aattactcct gttatgttga aaatggaaat 1020
94 ggacgtcgac acgccagcgt tctccttcat aaacgagagc taatgtacac agtggaaactt 1080
96 gctggaggcc ttggtgctat actcttgctg cttgtatgtt tggtgaccat ctacaagtgt 1140
98 tacaagatag aaatcatgct cttctacagg aatcattttg gagctgaaga gctcgatgga 1200
100 gacaataaag attatgatgc atacttatca tacaccaaaag tggatcctga ccagtggaaat 1260
102 caagagactg gggaagaaga acgtttttgcc cttgaaatcc tacctgatat gcttgaaaag 1320
104 cattatggat ataagttgtt tataccagat agagatttaa tcccaactgg aacatacatt 1380
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108 tacgtagtta gaaggggctg gagcatcttt gagctggaaa ccagacttcg aaatatgctt 1500
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120 gccactgccc atccagatct ccgttctacc tttcacaaca cgtaccattc acaaatgcgt 1860
122 cagaaacact actaccgaag ctatgagtac gacgtacctc ctaccggcac cctgcctctt 1920
124 acctccatag gcaatcagca tacctactgt aacatcccta tgacactcat caacgggcag 1980
126 cggccacaga caaatcgag caggagcag aatccagatg aggccacac aaacagtgcc 2040
128 atcctgccgc tgttgccaag ggagaccagt atatccagtg tgatatggtg a 2091

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131 <210> SEQ ID NO: 3

132 <211> LENGTH: 192

133 <212> TYPE: PRT

134 <213> ORGANISM: Homo sapiens

136 <400> SEQUENCE: 3

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139 1 5 10 15
142 Phe Lys Lys Arg Leu Arg Gly Pro Lys Val Lys Asn Leu Asn Pro Lys
143 20 25 30
146 Lys Phe Ser Ile His Asp Gln Asp His Lys Val Leu Val Leu Asp Ser
147 35 40 45
150 Gly Asn Leu Ile Ala Val Pro Asp Lys Asn Tyr Ile Arg Pro Glu Ile
151 50 55 60
154 Phe Phe Ala Leu Ala Ser Ser Leu Ser Ser Ala Ser Ala Glu Lys Gly
155 65 70 75 80
158 Ser Pro Ile Leu Leu Gly Val Ser Lys Gly Glu Phe Cys Leu Tyr Cys
159 85 90 95
162 Asp Lys Asp Lys Gly Gln Ser His Pro Ser Leu Gln Leu Lys Lys Glu
163 100 105 110
166 Lys Leu Met Lys Leu Ala Ala Gln Lys Glu Ser Ala Arg Arg Pro Phe
167 115 120 125
170 Ile Phe Tyr Arg Ala Gln Val Gly Ser Trp Asn Met Leu Glu Ser Ala

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171      130      135      140
174 Ala His Pro Gly Trp Phe Ile Cys Thr Ser Cys Asn Cys Asn Glu Pro
175 145      150      155      160
178 Val Gly Val Thr Asp Lys Phe Glu Asn Arg Lys His Ile Glu Phe Ser
179      165      170      175
182 Phe Gln Pro Val Cys Lys Ala Glu Met Ser Pro Ser Glu Val Ser Asp
183      180      185      190
186 <210> SEQ ID NO: 4
187 <211> LENGTH: 696
188 <212> TYPE: PRT
189 <213> ORGANISM: Homo sapiens
191 <400> SEQUENCE: 4
193 Met Lys Ala Pro Ile Pro His Leu Ile Leu Leu Tyr Ala Thr Phe Thr
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197 Gln Ser Leu Lys Val Val Thr Lys Arg Gly Ser Ala Asp Gly Cys Thr
198      20      25      30
201 Asp Trp Ser Ile Asp Ile Lys Lys Tyr Gln Val Leu Val Gly Glu Pro
202      35      40      45
205 Val Arg Ile Lys Cys Ala Leu Phe Tyr Gly Tyr Ile Arg Thr Asn Tyr
206      50      55      60
209 Ser Leu Ala Gln Ser Ala Gly Leu Ser Leu Met Trp Tyr Lys Ser Ser
210 65      70      75      80
213 Gly Pro Gly Asp Phe Glu Glu Pro Ile Ala Phe Asp Gly Ser Arg Met
214      85      90      95
217 Ser Lys Glu Glu Asp Ser Ile Trp Phe Arg Pro Thr Leu Leu Gln Asp
218      100      105      110
221 Ser Gly Leu Tyr Ala Cys Val Ile Arg Asn Ser Thr Tyr Cys Met Lys
222      115      120      125
225 Val Ser Ile Ser Leu Thr Val Gly Glu Asn Asp Thr Gly Leu Cys Tyr
226      130      135      140
229 Asn Ser Lys Met Lys Tyr Phe Glu Lys Ala Glu Leu Ser Lys Ser Lys
230 145      150      155      160
233 Glu Ile Ser Cys Arg Asp Ile Glu Asp Phe Leu Leu Pro Thr Arg Glu
234      165      170      175
237 Pro Glu Ile Leu Trp Tyr Lys Glu Cys Arg Thr Lys Thr Trp Arg Pro
238      180      185      190
241 Ser Ile Val Phe Lys Arg Asp Thr Leu Leu Ile Arg Glu Val Arg Glu
242      195      200      205
245 Asp Asp Ile Gly Asn Tyr Thr Cys Glu Leu Lys Tyr Gly Gly Phe Val
246      210      215      220
249 Val Arg Arg Thr Thr Glu Leu Thr Val Thr Ala Pro Leu Thr Asp Lys
250 225      230      235      240
253 Pro Pro Lys Leu Leu Tyr Pro Met Glu Ser Lys Leu Thr Ile Gln Glu
254      245      250      255
257 Thr Gln Leu Gly Asp Ser Ala Asn Leu Thr Cys Arg Ala Phe Phe Gly
258      260      265      270
261 Tyr Ser Gly Asp Val Ser Pro Leu Ile Tyr Trp Met Lys Gly Glu Lys
262      275      280      285
265 Phe Ile Glu Asp Leu Asp Glu Asn Arg Val Trp Glu Ser Asp Ile Arg

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266	290	295	300
269	Ile Leu Lys Glu His Leu Gly Glu Gln Glu Val Ser Ile Ser Leu Ile		
270	305	310	315
273	Val Asp Ser Val Glu Glu Gly Asp Leu Gly Asn Tyr Ser Cys Tyr Val		
274		325	330
277	Glu Asn Gly Asn Gly Arg Arg His Ala Ser Val Leu Leu His Lys Arg		
278		340	345
281	Glu Leu Met Tyr Thr Val Glu Leu Ala Gly Gly Leu Gly Ala Ile Leu		
282		355	360
285	Leu Leu Leu Val Cys Leu Val Thr Ile Tyr Lys Cys Tyr Lys Ile Glu		
286		370	375
289	Ile Met Leu Phe Tyr Arg Asn His Phe Gly Ala Glu Glu Leu Asp Gly		
290	385	390	395
293	Asp Asn Lys Asp Tyr Asp Ala Tyr Leu Ser Tyr Thr Lys Val Asp Pro		
294		405	410
297	Asp Gln Trp Asn Gln Glu Thr Gly Glu Glu Glu Arg Phe Ala Leu Glu		
298		420	425
301	Ile Leu Pro Asp Met Leu Glu Lys His Tyr Gly Tyr Lys Leu Phe Ile		
302		435	440
305	Pro Asp Arg Asp Leu Ile Pro Thr Gly Thr Tyr Ile Glu Asp Val Ala		
306		450	455
309	Arg Cys Val Asp Gln Ser Lys Arg Leu Ile Ile Val Met Thr Pro Asn		
310	465	470	475
313	Tyr Val Val Arg Arg Gly Trp Ser Ile Phe Glu Leu Glu Thr Arg Leu		
314		485	490
317	Arg Asn Met Leu Val Thr Gly Glu Ile Lys Val Ile Leu Ile Glu Cys		
318		500	505
321	Ser Glu Leu Arg Gly Ile Met Asn Tyr Gln Glu Val Glu Ala Leu Lys		
322		515	520
325	His Thr Ile Lys Leu Leu Thr Val Ile Lys Trp His Gly Pro Lys Cys		
326		530	535
329	Asn Lys Leu Asn Ser Lys Phe Trp Lys Arg Leu Gln Tyr Glu Met Pro		
330	545	550	555
333	Phe Lys Arg Ile Glu Pro Ile Thr His Glu Gln Ala Leu Asp Val Ser		
334		565	570
337	Glu Gln Gly Pro Phe Gly Glu Leu Gln Thr Val Ser Ala Ile Ser Met		
338		580	585
341	Ala Ala Ala Thr Ser Thr Ala Leu Ala Thr Ala His Pro Asp Leu Arg		
342		595	600
345	Ser Thr Phe His Asn Thr Tyr His Ser Gln Met Arg Gln Lys His Tyr		
346		610	615
349	Tyr Arg Ser Tyr Glu Tyr Asp Val Pro Pro Thr Gly Thr Leu Pro Leu		
350	625	630	635
353	Thr Ser Ile Gly Asn Gln His Thr Tyr Cys Asn Ile Pro Met Thr Leu		
354		645	650
357	Ile Asn Gly Gln Arg Pro Gln Thr Lys Ser Ser Arg Glu Gln Asn Pro		
358		660	665
361	Asp Glu Ala His Thr Asn Ser Ala Ile Leu Pro Leu Leu Pro Arg Glu		
362		675	680

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370 <211> LENGTH: 657
371 <212> TYPE: DNA
372 <213> ORGANISM: Homo sapiens
374 <400> SEQUENCE: 5
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377 gaaccccagt gctgcttaga agaccggct gtaagccccc tggaaccagg cccaagcctc      120
379 cccaccatga attttggttca cacaagtcca aaggtgaaga acttaaaccc gaagaaattc      180
381 agcattcatg accaggatca caaagtactg gtcctggact ctgggaatct catagcagtt      240
383 ccagataaaa actacatacg cccagagatc ttctttgcat tagcctcatc cttgagctca      300
385 gcctctgcgg agaaaggaag tccgattctc ctgggggtct ctaaagggga gttttgtctc      360
387 tactgtgaca aggataaagg acaaagtcac ccatcccttc agctgaagaa ggagaaactg      420
389 atgaagctgg ctgccccaaa ggaatcagca cgccggccct tcattcttta tagggctcag      480
391 gtgggctcct ggaacatgct ggagtcggcg gctcaccccg gatggttcat ctgcacctcc      540
393 tgcaattgta atgagcctgt tggggtgaca gataaatttg agaacaggaa acacattgaa      600
395 ttttcatttc aaccagtttg caaagctgaa atgagcccca gtgaggtcag cgattag      657
398 <210> SEQ ID NO: 6
399 <211> LENGTH: 594
400 <212> TYPE: DNA
401 <213> ORGANISM: Homo sapiens
403 <400> SEQUENCE: 6
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406 gaaccccagt gctgcttaga aggtccaaag gtgaagaact taaacccgaa gaaattcagc      120
408 attcatgacc aggatcacia agtactggtc ctggactctg ggaatctcat agcagttcca      180
410 gataaaaact acatacgccc agagatcttc tttgcattag cctcatcctt gagctcagcc      240
412 tctgcggaga aaggaagtcc gattctcctg ggggtctcta aaggggagtt ttgtctctac      300
414 tgtgacaagg ataaaggaca aagtcatcca tcccttcagc tgaagaagga gaaactgatg      360
416 aagctggctg cccaaaagga atcagcacgc cggcccttca tcttttatag ggctcaggtg      420
418 ggctcctgga acatgctgga gtcggcggct caccocggat ggttcatctg cacctcctgc      480
420 aattgtaatg agcctgttgg ggtgacagat aaatttgaga acaggaaaca cattgaattt      540
422 tcatttcaac cagtttgcaa agctgaaatg agccccagtg aggtcagcga ttag      594
425 <210> SEQ ID NO: 7
426 <211> LENGTH: 474
427 <212> TYPE: DNA
428 <213> ORGANISM: Homo sapiens
430 <400> SEQUENCE: 7
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435 tctgcggaga aaggaagtcc gattctcctg ggggtctcta aaggggagtt ttgtctctac      180
437 tgtgacaagg ataaaggaca aagtcatcca tcccttcagc tgaagaagga gaaactgatg      240
439 aagctggctg cccaaaagga atcagcacgc cggcccttca tcttttatag ggctcaggtg      300
441 ggctcctgga acatgctgga gtcggcggct caccocggat ggttcatctg cacctcctgc      360
443 aattgtaatg agcctgttgg ggtgacagat aaatttgaga acaggaaaca cattgaattt      420
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448 <210> SEQ ID NO: 8
449 <211> LENGTH: 218
450 <212> TYPE: PRT

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VERIFICATION SUMMARY

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L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date